IES Flood Report
Photometric Filename: HCP-3355962 .IES

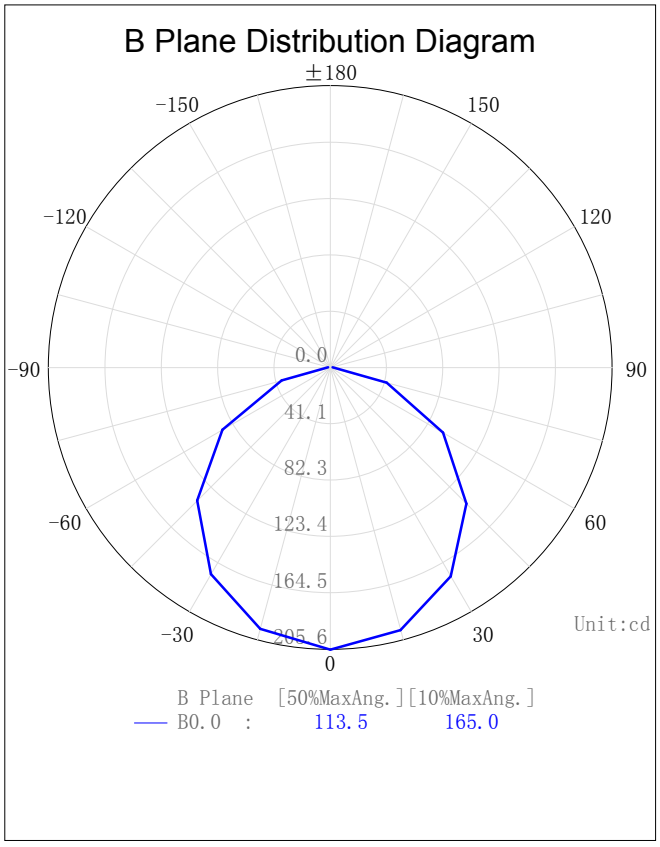
Flood Luminaire Photometric Data

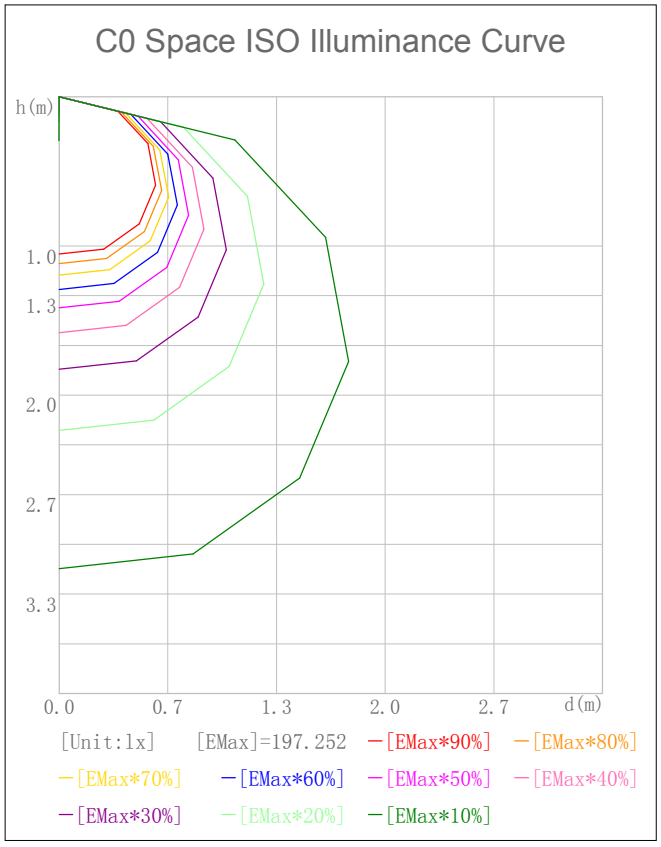
Description Information

Luminary Name: HCP-3355962		Lum. Catelog:	Test ID:
Lamp Name: 2110 2700k		Lamp Catelog:	Test Date: 2019/07/08
Manufacture: HAVIT COMMERCIAL		Shld.Ang(°):	Test Machine:GON-2000
Test Lab:		Frequency(Hz):	Lamp CCT(K): Ra:
Lum.Size(W*L*H):0.010m*1.000m*0.010m		Lum.Area(m2):0.020	Lum.W(kg):
Test System: B, β	Test Step: B=15.0 β=15.0	Temp.(℃):	Humidity(%):

Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter			
Rated Flux(lm):	619.410	Luminary Flux(lm):	629.778	Beam Lumens(lm):	460.65
Rated Power(W):		Luminary Efficiency:	101.67%	Beam Efficiency(%):	73.14
Rated Voltage(V):		Luminary EER(lm/W):	66.098	Field Lumens(lm):	618.20
Tested Power(W):	9.528	Max.Candela(cd):	205.629	Field Efficiency(%):	98.16
Lamps' Inside:	1	Max Cand@Ang.(°):	B=0.0 β=0.0	ErP Φuse(120°):	473.622lm
Tested Electrics(V,A,pf):24.0,0.397,0.000		Beam Angle(50%)(V,H):	121.7(°),113.5(°)	IRF(%):	106.636
Lamp Size(W*L*H):0.010m*1.000m*0.010m		Field Angle(10%)(V,H):	174.3(°),165.0(°)		





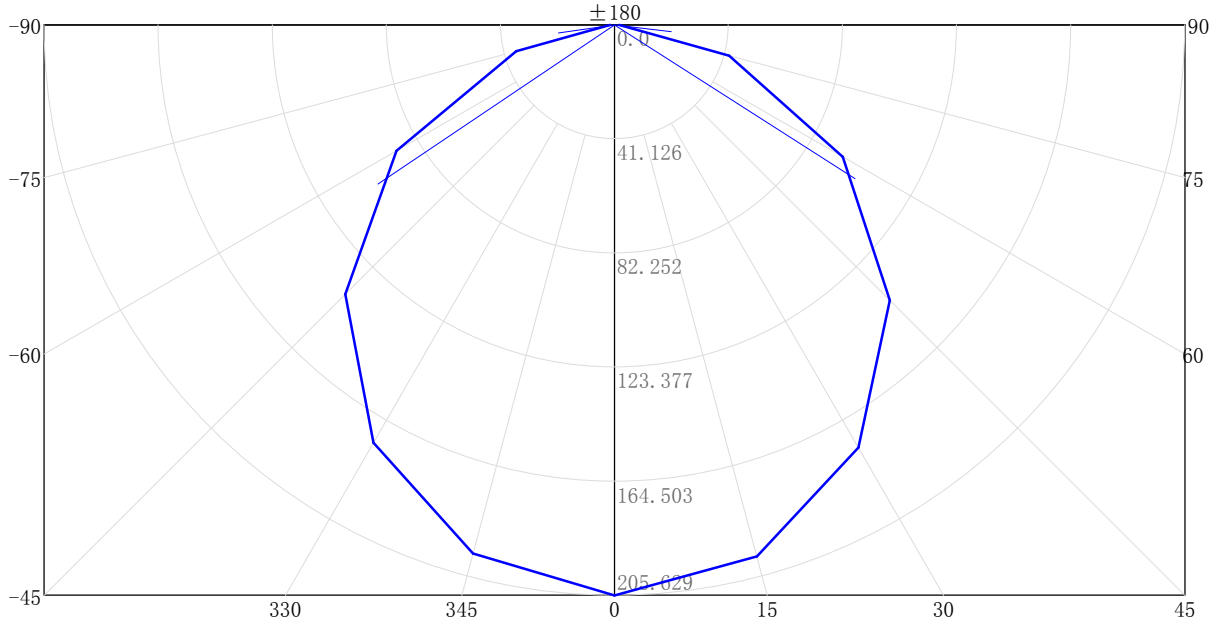
HAVIT LIGHTING
143 BEAUCHAMP RD., MATRAVILLE,NSW 2036 AUSTRALIA

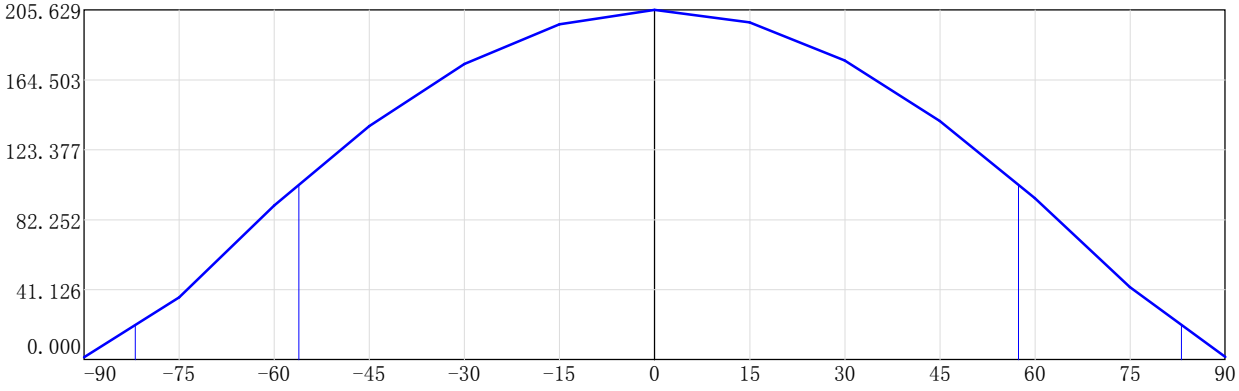
IES Flood Report
Photometric Filename: HCP-3355962 .IES

2D Plane Light Intensity Distribution Curve

Lum.Name: HCP-3355962	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700k	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/08

B Plane Distribution Diagram





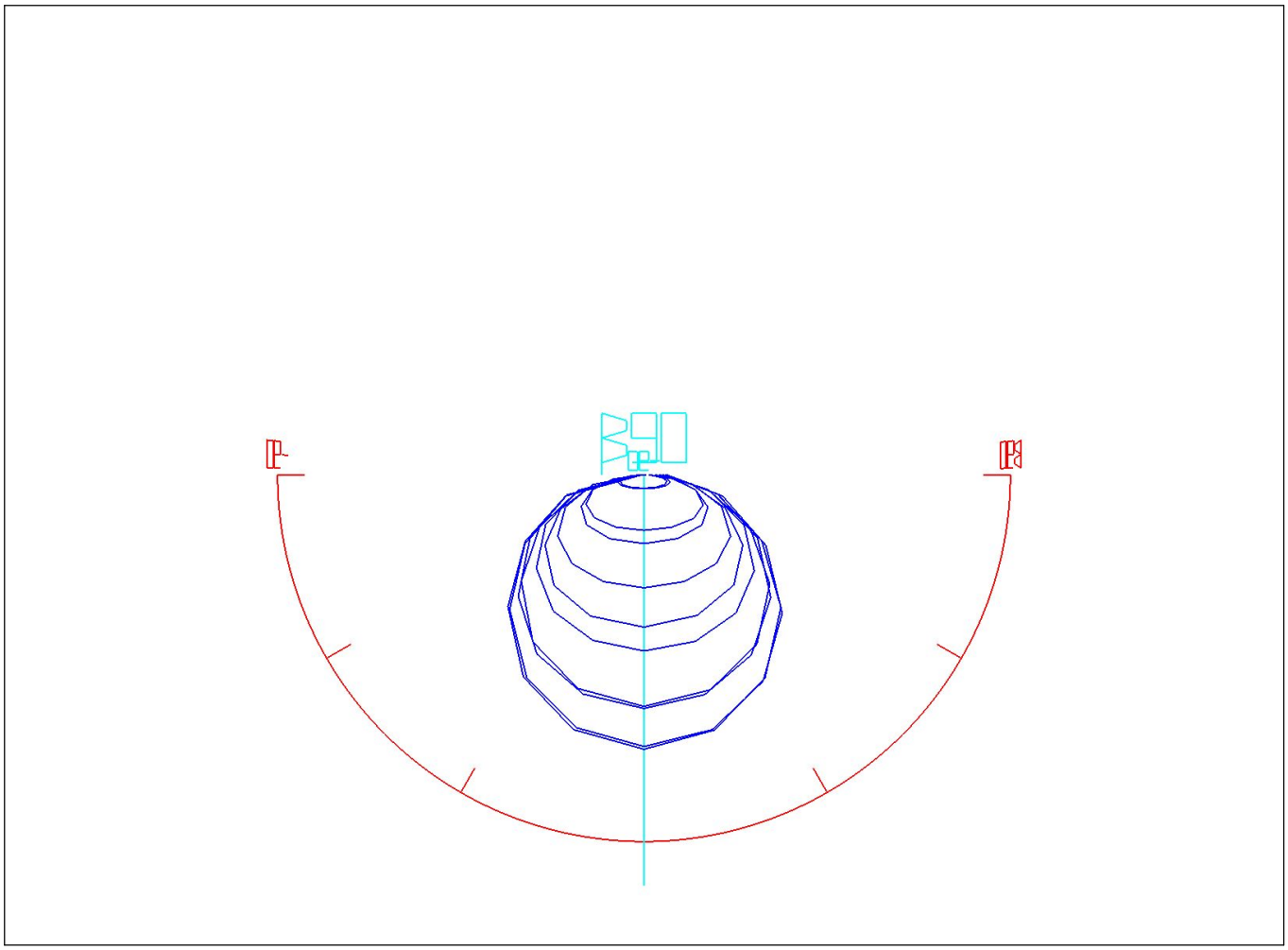
	B Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
———	B0.0 :	113.5	165.0	

IES Flood Report
Photometric Filename: HCP-3355962 .IES

3D Light Intensity Distribution Modal

Lum.Name: HCP-3355962	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700k	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/08

3D Light Intensity Distribution Modal



Curves: 3D Model Fixture Vert. HUD Hori. HUD

View Angles: Orient:0 Tilt:0 Roll:0 Spin:0

IES Flood Report
Photometric Filename: HCP-3355962 .IES

Zone Lumens Tabulation

β -90.0	β -75.0	β -60.0	β -45.0	β -30.0	β -15.0	β 0.0	β 15.0	β 30.0	β 45.0	β 60.0	β 75.0	β 90.0
B-90.0	0.03	0.24	0.70	1.28	1.82	2.13	2.13	1.83	1.30	0.72	0.26	0.04
B-75.0	0.06	0.60	1.84	3.37	4.75	5.55	5.56	4.79	3.43	1.91	0.66	0.08
B-60.0	0.10	0.96	2.85	5.12	7.13	8.29	8.30	7.18	5.20	2.95	1.05	0.12
B-45.0	0.13	1.29	3.74	6.65	9.22	10.71	10.74	9.28	6.75	3.86	1.40	0.15
B-30.0	0.16	1.53	4.37	7.76	10.74	12.50	12.53	10.82	7.87	4.51	1.65	0.18
B-15.0	0.17	1.64	4.67	8.30	11.52	13.41	13.44	11.61	8.43	4.82	1.77	0.19
B0.0	0.17	1.63	4.66	8.31	11.54	13.44	13.48	11.63	8.44	4.82	1.77	0.19
B15.0	0.15	1.52	4.36	7.78	10.80	12.59	12.62	10.90	7.92	4.52	1.65	0.18
B30.0	0.13	1.29	3.75	6.71	9.32	10.86	10.89	9.41	6.84	3.89	1.42	0.15
B45.0	0.10	0.97	2.85	5.16	7.20	8.40	8.43	7.27	5.27	2.97	1.07	0.12
B60.0	0.06	0.59	1.78	3.32	4.70	5.53	5.55	4.76	3.41	1.88	0.67	0.07
B75.0	0.03	0.28	0.82	1.51	2.17	2.59	2.61	2.22	1.58	0.87	0.31	0.04
B90.0												
Total	1.28	12.54	36.40	65.27	90.91	106.00	106.30	91.71	66.44	37.73	13.69	1.52

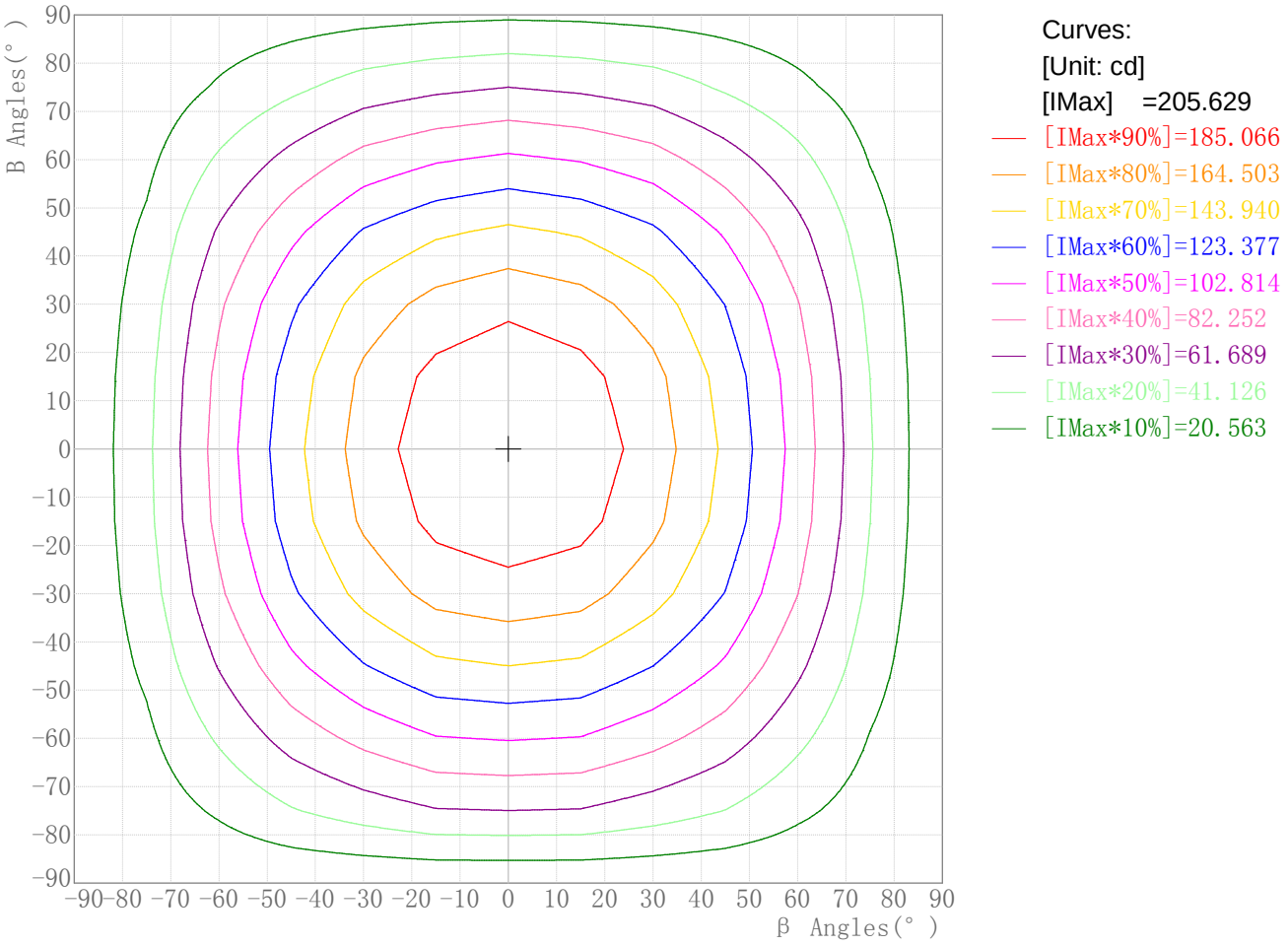
β 90.0	Total
B-90.0	12.48
B-75.0	32.60
B-60.0	49.26
B-45.0	63.94
B-30.0	74.61
B-15.0	79.98
B0.0	80.09
B15.0	75.00
B30.0	64.67
B45.0	49.80
B60.0	32.33
B75.0	15.01
B90.0	
Total	629.78

IES Flood Report
Photometric Filename: HCP-3355962 .IES

Rectangle ISO Lighting Intensity Diagram

Lum.Name: HCP-3355962	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700k	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/08

ISO Lighting Intensity Curve



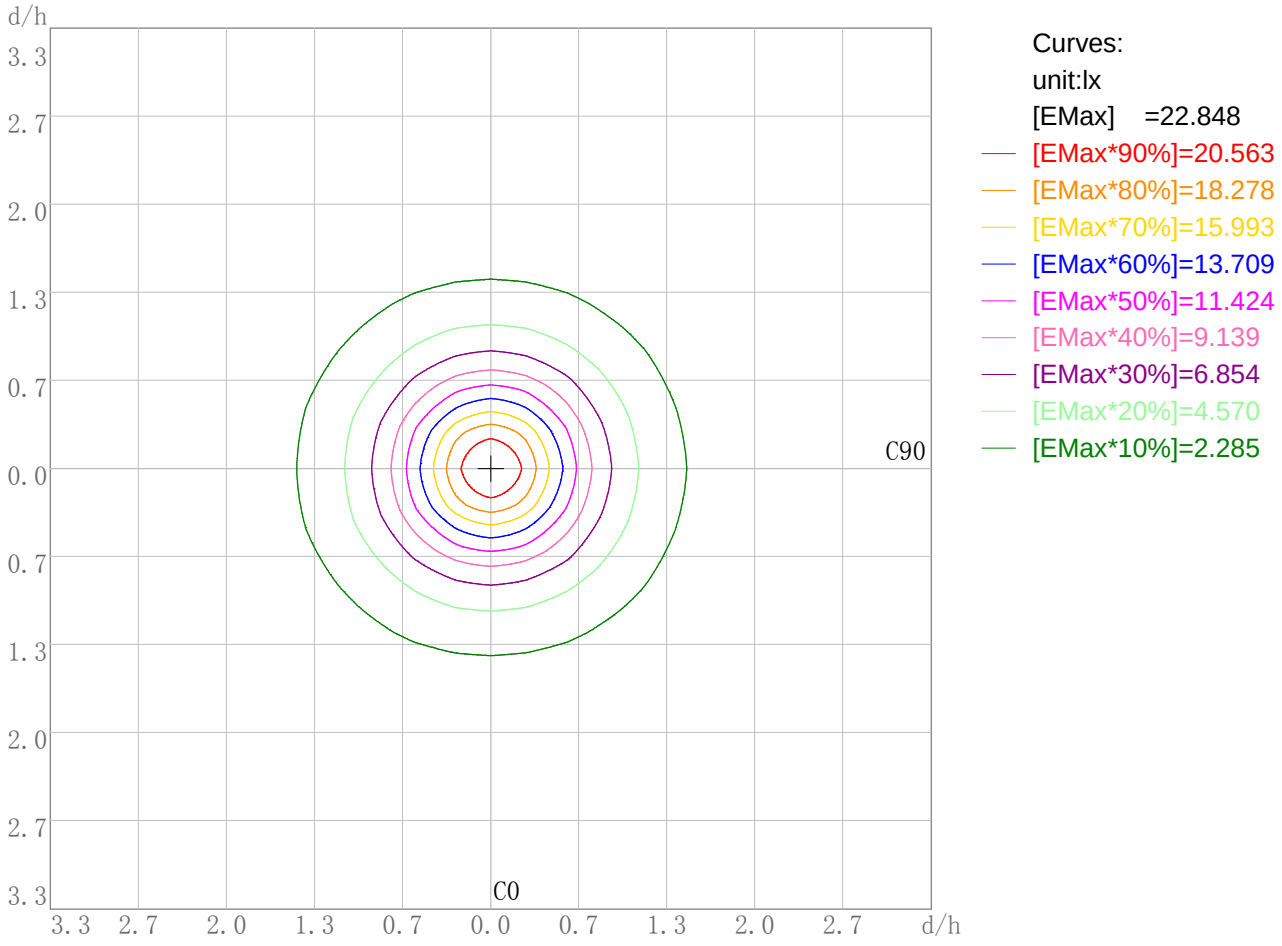
Maximum Light Intensity(cd): 205.63
Maximum Cand.@Angle: H=0.0°,V=0.0°

IES Flood Report
Photometric Filename: HCP-3355962 .IES

Plane ISO-Illuminance Diagram

Lum.Name: HCP-3355962	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700k	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/08

Plane ISO-Illuminance Curve



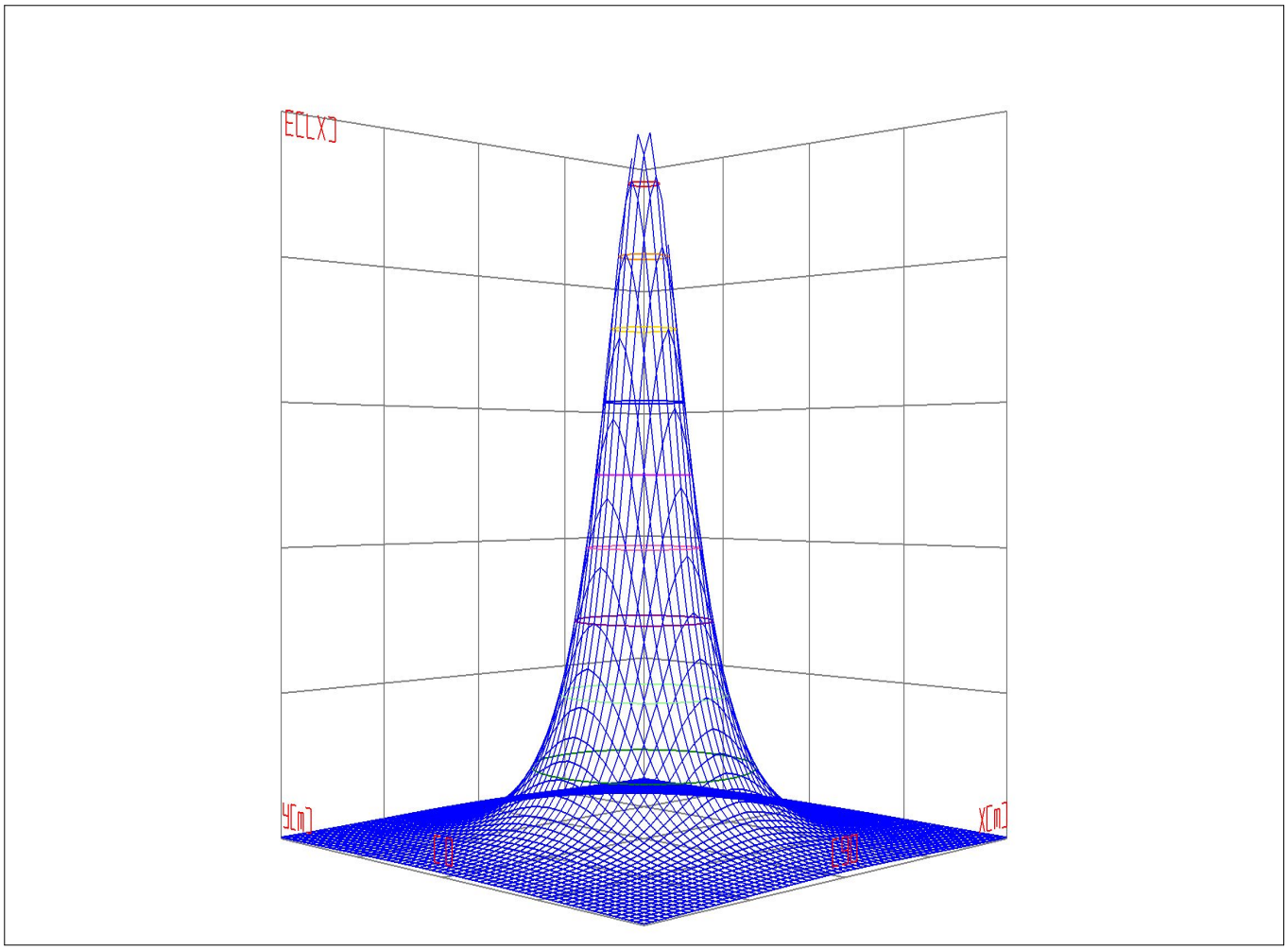
Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 22.85
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

IES Flood Report
Photometric Filename: HCP-3355962 .IES

3D Plane ISO Illuminance Diagram

Lum.Name: HCP-3355962	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700k	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/08

3D Plane Illuminance Modal



Curves: 3D Model 90% 80% 70% 60% 50% 40% 30% 20% 10%

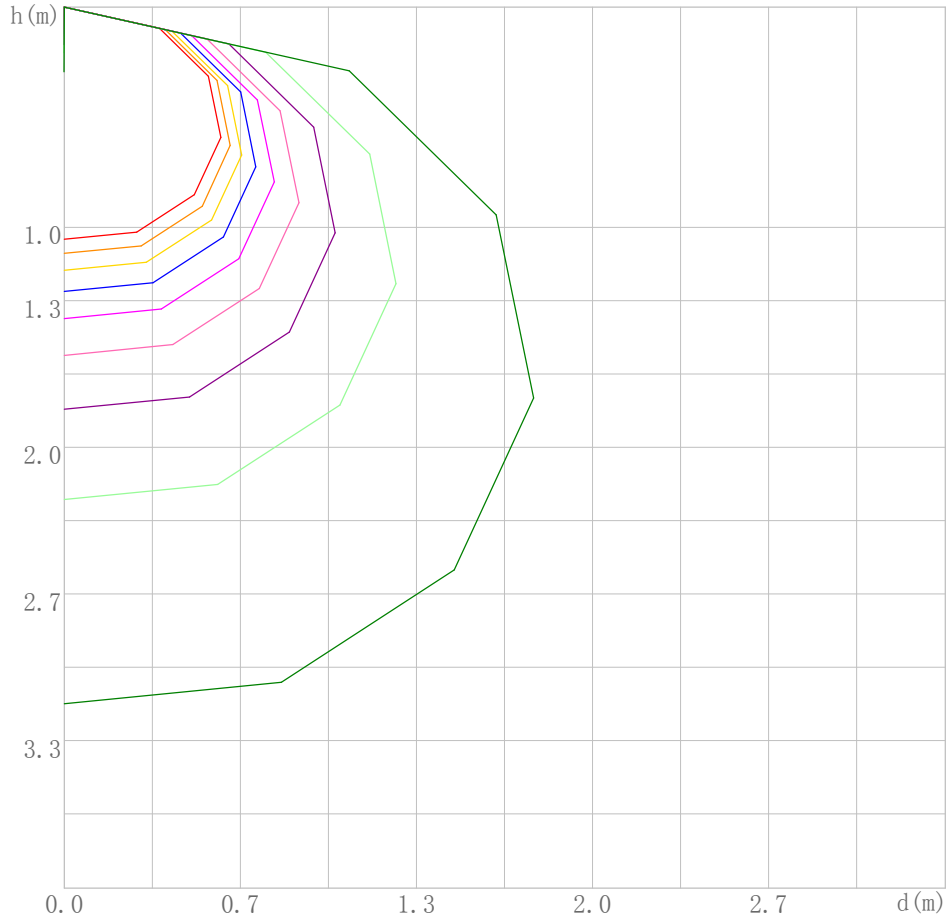
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

IES Flood Report
Photometric Filename: HCP-3355962 .IES

Space ISO Illuminance Diagram

Lum.Name: HCP-3355962	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700k	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/08

Space ISO Illuminance Curve



Curves:
[Unit: lx]
[EMax] =197.252
[EMax*90%]=177.527
[EMax*80%]=157.802
[EMax*70%]=138.076
[EMax*60%]=118.351
[EMax*50%]=98.626
[EMax*40%]=78.901
[EMax*30%]=59.176
[EMax*20%]=39.450
[EMax*10%]=19.725

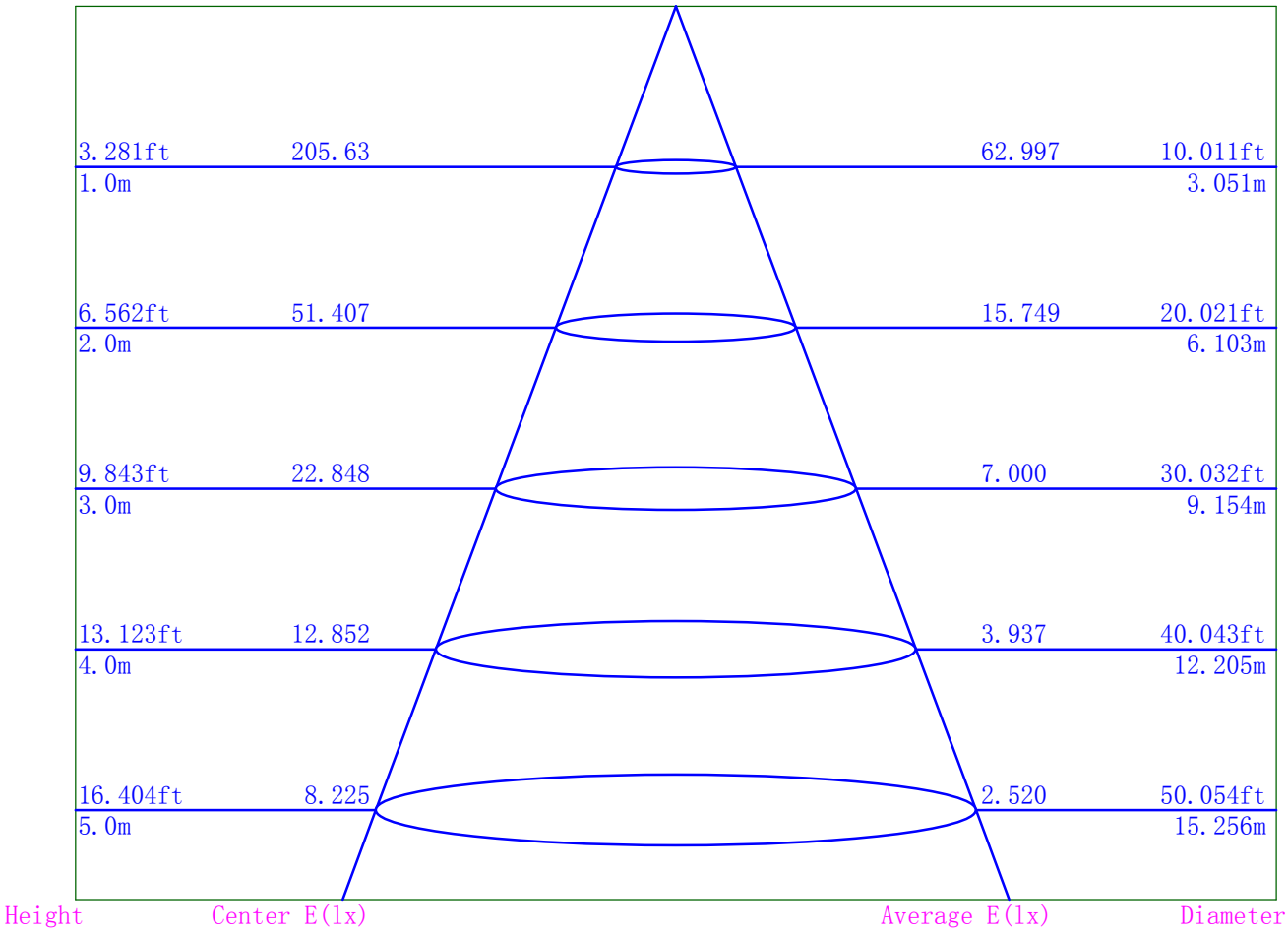
Space Plane Maximum Illuminance and @Angle:197.25lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:205.629cd,0eg

IES Flood Report
Photometric Filename: HCP-3355962 .IES

Illuminance-Distance Diagram

Lum.Name: HCP-3355962	Lum.Catelog:	Test ID:
Lamp Name: 2110 2700k	Lamp Catelog:	Test Lab:
Manufacture: HAVIT COMMERCIAL	Test Machine:GON-2000	Test Date: 2019/07/08

Illuminance-Distance Curve



Beam Angle:113.5

IES Flood Report
Photometric Filename: HCP-3355962 .IES

Candela Tabulation

V/H	β -90.0	β -75.0	β -60.0	β -45.0	β -30.0	β -15.0	β 0.0	β 15.0	β 30.0	β 45.0	β 60.0	β 75.0
B-90.0	1.57	2.07	2.18	1.89	1.83	1.90	1.88	1.89	1.86	1.84	1.98	2.48
B-75.0	1.57	8.74	23.46	39.57	50.99	60.38	61.58	60.62	51.57	40.72	24.94	10.68
B-60.0	1.57	16.32	43.76	69.92	88.19	101.62	104.11	101.96	89.03	71.56	46.16	19.62
B-45.0	1.57	24.46	62.95	97.61	122.25	139.70	143.86	140.31	123.42	99.83	66.24	28.95
B-30.0	1.57	31.31	78.67	120.21	150.65	171.41	177.53	172.28	152.15	122.76	82.56	36.57
B-15.0	1.57	35.47	88.04	133.37	167.89	190.68	198.07	191.63	169.58	136.12	92.04	41.27
B0.0	1.57	36.68	90.71	137.30	173.89	197.25	205.63	198.35	175.85	140.35	94.98	42.72
B15.0	1.57	34.97	87.66	132.79	168.76	190.97	199.66	192.07	170.77	135.95	92.10	41.07
B30.0	1.57	30.63	79.11	119.93	152.67	171.97	180.45	173.05	154.49	122.94	83.37	36.37
B45.0	1.57	24.04	64.02	97.54	125.13	140.59	148.08	141.56	126.80	100.29	67.78	28.94
B60.0	1.57	15.94	43.83	68.33	89.47	100.76	106.67	101.50	90.93	70.70	46.95	19.66
B75.0	1.57	7.73	22.76	36.61	50.22	57.24	61.71	57.86	51.55	38.47	24.93	10.52
B90.0	1.57	3.54	8.04	11.07	13.66	16.23	17.51	16.77	14.48	11.74	8.37	3.64

V/H	β 90.0
B-90.0	1.70
B-75.0	1.70
B-60.0	1.70
B-45.0	1.70
B-30.0	1.70
B-15.0	1.70
B0.0	1.70
B15.0	1.70
B30.0	1.70
B45.0	1.70
B60.0	1.70
B75.0	1.70
B90.0	1.70